

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re Application of: Eynard et al |) | Examiner: |
| |) | |
| Application No.: |) | Group Art Unit: |
| |) | |
| Filed: |) | |
| |) | |
| For: TIRE BEAD WITH PROTECTIVE RIB |) | |

INFORMATION DISCLOSURE STATEMENT
EXPLANATION OF RELEVANCE

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR § 1.98, a concise explanation of those documents submitted with the Information Disclosure Statement in other than the English language is submitted herewith.

Cite No. 3: JP-04-215508 A was cited in the International Search Report (Cite No. 5) noting the relevance of the abstract. Applicant offers the following translation of the abstract and further notes the bead geometry depicted in Figures 1 and 2:

PURPOSE: To improve the durability of a bead, controllability and load noise performance by providing a bead reinforcing layer outside a bead filler of a tire, forming a predetermined trapezoidal projection formed of a straight line and a pair of concave curves circumferentially of the tire and having the largest thickness and specifying the positions of respective outer ends of the bead reinforcing layer and bead filler.

CONSTITUTION: A trapezoidal projection 5 formed of a straight line contour 11 and a pair of recessed curved contour 12 and having 7.0-11.0mm of the largest rubber thickness is formed on the outer surface of a bead circumferentially of a tire. The outer end 4e of a bead reinforcing layer 4 disposed radially of the tire

between carcasses 1, 2 is located at least 5.0mm higher than a perpendicular Q to a carcass 12 passing through a start point R of the outside curved contour 12 and a point U corresponding to 70% of a central angle θ of a curved contour arc. Also, the outer end 7e of a bead filler 7 is set between a position at least 5.0mm lower than the point U and a line V parallel to the perpendicular Q from the inside end S of the straight line contour 11 radially of the tire.

Respectfully submitted,



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Date: January 16, 2004

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet

1

of

2.

Complete if Known

Application Number

Filing Date

First Named Inventor

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| EYNARD, Claude | |
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Art Unit

Examiner Name

Attorney Docket Number

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| P10-1375 US |
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[illegible]

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ ~Number ⁴ ~Kind Code ⁵ (if known) | | | | |
| | 2 | EP-0983875-A2 | 03-08-2000 | Sumitomo | p 3(19-50) F1-2 | |
| | 3 | JP-04-215508-A | 03-12-1992 | Yokohama | F1-2 | |
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Examiner
Signature

Date

Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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|--|------|--------------------------|----------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | |
| | | Filing Date | |
| | | First Named Inventor | EYNARD, Claude |
| | | Art Unit | |
| | | Examiner Name | |
| Sheet 2 | of 2 | Attorney Docket Number | P10-1375 US |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | 4 | International Preliminary Examination Report PCT/EP02/08279, completed 02-12-2003 | X |
| | 5 | International Search Report PCT/EP/08279, completed 09-24-2002 | |
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| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
P10-1375 US

In Re Application Of: **Claude EYNARD et al.**

Serial No.

Filing Date

Examiner

Group Art Unit

Title: **TIRE BEAD WITH PROTECTIVE RIB**

Address to:

**Assistant Commissioner for Patents
Washington, D.C. 20231**

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
P10-1375 US

In Re Application: Claude EYNARD et al.

Serial No.

Filing Date

Examiner

Group Art Unit

TIRE BEAD WITH PROTECTIVE RIB

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 13-3085 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
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Signature

Dated: 01/21/2004

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